

DOBROCHAYEVA, D.M.

"Supplements to the flora of the Transcarpathian Province of the Ukrainian S.S.R. Botanical materials of the Herbarium of the V.I. Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R.", vol. 17, 1955. K.N. Igoshina. Reviewed by D. M. Dobrochaieva. Ukr. bot. zhur. 13 no.3:104-105 '56. (MLRA 9:11)
(Igoshina, K.N) (Transcarpathia--Botany)

DOBROCHAYEVA, D.M. [Dobrochaieva, D.M.]

~~DOBROCHAYEVA, D.M. [Dobrochaieva, D.M.]~~
Borage family - Boraginaceae Lindl. Flora URSS 8:328-514 '57.

(MIRA 11:6)

(Ukraine--Borage)

DOBROCHAYEVA, D.N. [Dobrochaieva, D.M.]

Ximenesia encelioides Cav., a new adventive plant in the Ukraine
[with summary in English]. Ukr.bot.zhur. 15 no.3:87-89
' 58. (MIRA 11:12)

1. Institut botaniki AN USSR, otdel vysshikh rasteniy.
(Ukraine--Crownbeard)

DOBROCHAYEVA, D.M. [Dobrochayeva, D.M.] , kand. biolog, nauk; LYALITSKAYA, S.D. [Lyalits'ka, S.D.; PARKHOMENKO, V.V.; SOKUR, I.T., kand. biolog. nauk; USPENSKIY, G.O. [Uspens'kiy, H.O.]; SVECHNIKOVA, N.I. [Sviechnikova, N.I.], red.; KLOKOVA, S.M., tekhn.red.; BERBENETS', P.P., tekhn. red.

[In Ukrainian preserves] Po zapovidnykh miststakh Ukrainy. Kyiv, Vyd-vo TsK LKSMU "Molod", 1960. 207 p. (MIRA 14:7)
(Ukraine--Natural history)

DOBROCHAYEVA, D.M. [Dobrochaieva, D.M.]

Occurrence of *Dryopteris spinulosa* (Mull.) Kuntze in the Kamennyye
Mogily Preserve, Volodarskoye District, Stalino Province. Mat.
pro.okhor.pryr.na Ukr. no.2:84-87 '60. (MIRA 13:8)
(Volodarskoye District--Ferns)

DOBROCHAYEVA, D.N. [Dobrochaieva, D.M.]: KOTOV, M.I.

Taxonomy of the genus *Centaurea* L. s. l. Ukr.bot.zhur. 19
no.1:39-44 '62. (MIRA 15:4)

1. Institut botaniki AN USSR, otdel vysshikh rasteniy.
(Centaureinae)

BARBARICH, A.I. [Barbarych, A.I.], kand. biol. nauk; BRADIS, Ye.M., doktor biol. nauk; VISYULINA, O.D., doktor biol. nauk; VOLODCHENKO, V.S.; DOBROCHAYEVA, D.M., kand. biol. nauk; KARNAUKH, Ye.D.; KATINA, Z.F., kand. biol. nauk; KOTOV, M.I., doktor biol. nauk; KUZNETSOVA, G.O. [Kuznetsova, H.O.], kand. biol. nauk; OLYANITSKOVA, L.G. [Olianits'ka, L.H.]; OMEL'CHUK, T.Ya., kand. biol. nauk; POYARKOVA, O.M.; PROKUDIN, Yu.M., doktor biol. nauk; PROTOPOPOVA, V.V.; SLYUSARENKO, L.N.; SMOLKO, S.S.; KHRZHANOVSKIY, V.G. [Khrzhanovs'kyi, V.H.], doktor biol. nauk; ZEROV, D.K. akademik, otv. red., ONISHCHENKO, L.I., red.

[Key for the identification of plants in the Ukraine] Vyznachnyk roslyn Ukrainy. Vyd.2., vypr. 1 dop. Kyiv, Urozhai, 1965. 876 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Instytut botaniky. 2. AN Ukr.SSR (for Zerov). 3. Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva (for Khrzhanovskiy).

TSITSIN, N.V., akademik; CHERKASSKIY, Ye.S.; BUSHCHIK, T.N.; SHMAL'KO, V.F.;
LYUDOVA, G.L.; KILIMNIK, Ye.Ye.; BELYAYEVA, A.S.; Prinimali
uchastiye: AZIYASHVILI, L.N.; ANTONOVA, I.I.; VOLKOVA, A.A.;
DOBROCHINSKAYA, I.B.; MIROSHNICHENKO, O.N.; YUZHAKOVA, N.P.

New data on the control of cabbage flies (*Chortophila brassicae*
Bouché and *Chortophila floralis* Fall.). Dokl.AN SSSR 144
no.2:457-460 My '62. (MIRA 15:5)

1. Glavnyy botanicheskiy sad AN SSSR, Opytno-pokazatel'nyy
sovkhoz im. Mossoveta i Sovkhoz im. A.M.Gor'kogo.
(Cabbage—Diseases and pests)

CHERKASSKIY, Ye.S.; KOVTUNENKO, V.F.; BUDARINA, T.D.; Prinimali uchastiye:
MELUA, N.K.; DOBROCHINSKAYA, I.B.; AZIYASHVILI, L.A.

Improved methodology of chromatographic determination of γ -hexa-
chlorocyclohexane in activated creolin and oil. Biul. Glav. bot.
sada no.54:94-101 '64. (MIRA 17:11)

1. Glavnyy botanicheskiy sad AN SSSR.

DOBROCHINSKIY, M., [Dobroczinski, M.] doktor ekonomii

Poland's economic cooperation with underdeveloped countries.
Vnesh.torg 30 no.5:23-26 '60. (MIRA 13:5)

1. Varshavskiy universitet.
(Technical assistance, Polish)

DOBRUCHOTOV, G.N.; LUTSENKO, M.N., redaktor; AZAROVA, O.A., redaktor;
BYRDINA, A.S., redaktor; BALLOD, A.I., tekhnicheskiy redaktor.

[Zootechnician's reference manual] Spravochnik zootekhnika.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 935 p. (MIRA 10:11)
(Stock and stockbreeding)

DOBROCYNSKY, WITOLD

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 4. - Leather, Furs, Gelatin,
Tanning Agents, Industrial Proteins.

H-34

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 23643
Author : Witold Dobroczynsky
Inst : -
Title : Casein.
Orig Pub : Przegl. mleczarski, 1956, 4, No 8-9, 29-30
Abstract : A popular article.

Card 1/1

DOBRODEYEV, A.

Instructions for detecting signs of spoilage in grain. Muk.-elev.
prom. 20 no.6:30 Ja '54. (MLRA 7:8)

1. Abakanskiy punkt Zagotzerno Krasnoyarskogo kraya.
(Grain)

124-58-9-10534

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 157 (USSR)

AUTHORS: Dobrodeyev, A. N., Ashrakov, A. B.

TITLE: To the Calculation of Reinforced-concrete Tee Elements Subjected to Flexure (K raschetu izgibayemykh zhelezobetonnykh elementov tavorogo secheniya)

PERIODICAL: Izv. AN Uzbek SSR. Ser. tekhn. n., 1957, Nr 4, pp 85-89

ABSTRACT: Bibliographic entry

1. Structures--Design 2. Reinforced concrete--Applications

Card 1/1

DOERODYEV, A.H., Cand Tech Sci—(diss) "On ~~the~~ conditions^s of equal strength in the ~~concrete~~^{concrete} and ~~armature~~^{of a} cross section of a curved rein- forced ~~concrete part~~^{concrete part}." Mos, 1958. 20 pp, 1 sheet of graphs (Min of Higher Education USSR. Mos ~~Interstate~~^{Motor Vehicle and Highway} Inst), 120 copies (IL, 45-58, 147)

- 79 -

ASHRABOV, A.B.; DOBRODEYEV, A.N.; MAVLYANOV, G.A., otv.red.; ROMANIKA,
N.A., red.izd-va; BARTSEVA, V.P., tekhn.red.

[Using concrete based on expanded clay fillers in making
bearing construction elements] Keramzitobeton v nesushchikh
konstruktsiyakh. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR,
1959. 155 p. (MIRA 13:2)

1. Chlen-korrespondent AN UzSSR (for Mavlyanov).
(Uzbekistan--Lightweight concrete)

DOBRODEYEV, A. N.

Potentials for lowering the weight of T-section reinforced
concrete beams. Sbor. nauch. trud. NII po stroi. ASiA no.1:
73-76 '61. (MIRA 16:1)

(Beams and girders)
(Earthquakes and building)

DOBRODEYEV, A. N.; OFITSEROV, B. S.; KALININ, Yu. V.; NADYRSHIN, R. I.

Problems of the technology of manufacturing keramsit concrete
slabs in the Uzbek S.S.R. Sbor. nauch. trud. NII po stroi.
ASIA no.2:36-44 '61. (MIRA 16:1)

(Uzbekistan—Keramsit)
(lightweight concrete)

1

SOV/129-59-4-9/17

AUTHORS: Dr. Chem.Sc. Zhigach, A.F., Cand.Tech.Sci. Antonov, I.S.,
Engineers Pchelkina, M.A., Yukin, G.I., Dobrodeyev, A.S.,
and Matveyev, V.N.

TITLE: Surface Saturation of Steel with Boron from a Gaseous
Medium (Poverkhnostnoye nasyshcheniye stali borom iz
gazovoy sredy)

PERIODICAL: Metallovedeniye i Termicheskaya Obrabotka Metallov,
1959, Nr 4, pp 45-47 + 3 plates (USSR)

ABSTRACT: The authors of this paper investigated exhaustively the
problem of borating of metallic surfaces by B_2H_6 for the
purpose of determining optimal conditions of obtaining
layers of high quality. The experiments and the experi-
mental apparatus are briefly described. The possibility
was established of borating from the gaseous phase, using
as a circulation medium a mixture of B_2H_6 and hydrogen.
The best results were obtained with the following
regime: borating temperature 800 - 850°C; process
duration 4 - 5 hours; ratio of the gas mixture $B_2H_6:H_2 =$
Card 1/2 1:75; gas flow rate 75 - 100 litres/hour.

SOV/129-59-4-9/17

Surface Saturation of Steel with Boron from a Gaseous Medium

Under such conditions a 200 micron thick borated layer of a high hardness is obtained. The microhardness of the layer at the surface reaches the value of 3000. There are 9 figures and 6 references, 1 of which is Soviet, 1 German, 4 English.

Card 2/2

DOBRODEYEV, A.V.

BAKULEV, A.N., redaktor; GAYEVSKAYA, M.S., redaktor; GORIZONTOV, P.D., redaktor; GULYAYEV, A.V., redaktor; DOBRODEYEV, A.V., redaktor; MIL'CHENKO, I.T., redaktor; NEGOVSKIY, V.A., redaktor; NYROVA, P.F., redaktor; PETROV, B.A., redaktor; SARKISOV, S.A., redaktor; SEVERIN, S.Ye., redaktor; SHIKUNOVA, L.G., redaktor; NEYMAN, I.M., redaktor; BOBROVA, Ye.N., tekhnicheskij redaktor

[Transactions of the conference dedicated to problems of pathological physiology and therapy of the terminal states in the clinic and in first aid practice; December 10-12, 1952] Trudy Konferentsii posvyashchennoi probleme patofiziologii i terapii terminal'nykh sostoyanii v klinike i praktike neotlozhnoi pomoshchi, 10-12 Dekabria 1952 g. Moskva, Gos. izd-vo meditsinskoi lit-ry, 1954. 329 p. (MIRA 8:3)

1. Konferentsiya posvyashchennaya probleme patofiziologii i terapii terminal'nykh sostoyanii v klinike i praktike neotlozhnoi pomoshchi, Moscow, 1952.

(Physiology, Pathological) (Death, Apparent)

DOBRODEYEV, K.M., inzh.

Preventing of unwanted disconnecting of electric transformers
after automatic reclosing. Elek. sta. 33 no.8:83-84 Ag '62.
(MIRA 15:8)

(Electric power distribution) (Electric protection)

L 04949-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6025409

SOURCE CODE: UR/0103/66/000/007/0045/0053

AUTHOR: Dobrodeyev, L. N. (Moscow)

ORG: none

TITLE: A development of the method of approximating polynomials for the calculation of moments of nonlinear system output coordinates

SOURCE: Avtomatika i telemekhanika, no. 7, 1966, 45-53

TOPIC TAGS: nonlinear automatic control system, nonlinear equation, statistic analysis, approximation method

ABSTRACT: A general algorithm for the solution of a system of nonlinear algebraic equations is presented. The coordinate of the nonlinear automatic control system h is assumed to be a function of the nonrandom argument t and of m random quantities. The random quantities are assumed centered, statistically independent, and their differential distribution laws symmetric. It is also assumed that it is possible to calculate N values $h_s(t)$ of the function h with the s -th value referring to the fixed nodal point $(x_{1s}, x_{2s}, \dots, x_{ms})$. The quantities $x_{1s}, x_{2s}, \dots, x_{ms}$ are some of the possible values of the respective random arguments of h specified according to the algorithm developed in the paper. The problem is reduced to a search

Card 1/2

UDC: 62-501.3

L 04949-57

ACC NR: AP6025409

for the output coordinate h of the system using the N values h_s . The explicit solution of the nonlinear system is needed for the approximate determination of the probabilistic characteristics of output coordinates of a nonlinear automatic control system. The method is illustrated by an example. The author thanks N. M. Sotskiy for a discussion of the article. Orig. art. has: 33 formulas, 4 tables, and 1 figure.

SUB CODE: 09,12/ SUBM DATE: 15Jul65/ ORIG REF: 004

Card 2/2 *hkh*

DOBRONIN, N.V., inzhener; AKSEL'ROD, L.S., inzhener, kandidat tekhnicheskikh nauk.

Problem of constructing concrete roads in Moscow. Gor.khoz.Mosk. 25 no.10:
29-31 0 '51. (MLRA 6:11)

(Moscow--Roads, Concrete) (Roads, Concrete--Moscow)

DOBRODEYEV, O.P.

Rock crystal in the ancient weathering mantle of limestone.
Priroda 54 no.11:25 '65. (MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

DOBRODEYEV, O.P.

Composition and genesis of surface clays of the Eastern Sayan Mountains and the Kuznetsk Alatau. Vest.Mosk.un.Ser.5: Geog. 20 no.4:33-40 J1-Ag '65. (MIRA 18:12)

1. Kafedra pochv i geokhimii landshaftov Moskovskogo gosudarstvennogo universiteta. Submitted March 7, 1965.

VYSHIVKIN, D.D.; DOBRODEYEV, O.P.

Characteristics of salinisation in landforms of the low
sandy shore areas of the southeastern part of the Caspian
Sea region. Vest. Mosk. un. Ser. 5:51-54 N-D '65.

(MIRA 19:1)

DOBRODEYEV, S. A., CAND TECH SCI, ^{Calculation} "~~COMPUTATION~~ OF
^{the basis of} ROD SYSTEMS ON DYNAMIC LOAD." LENINGRAD, 1961. (LE-
NINGRAD ORDER OF LENIN INST OF ENGINEERS OF RAILROAD
TRANSPORT IM ACAD V. N. OBRAZTSOV). (KL, 3-61, 215).

DOBRODEYEV, S.A., aspirant

Forced vibrations in fixed frames. Trudy Ural. politekh. inst.
no.99:31-44 '60. (MIRA 14:5)
(Structural frames) (Vibration)

DOBRODEYEV, S.A.; aspirant

Combined method of determining the frequency of natural vibrations
in structural frames. Trudy Ural. politekh. inst. no.99:45-60 '60.
(MIRA 14:5)

(Structural frames)

(Vibration)

DOERODEYEV, S.A.

Calculation of systems with a finite number of degrees
of freedom for forced vibrations. Trudy Ural. politekh.
inst. no.102:56-66 '61. (MIRA 16:11)

DOERODEYEV, S.A., assistant

Dynamic design of beams on elastic supports. Trudy Ural.
politekh. inst. no. 110:83-93 '61. (MIRA 14:7)
(Beams and girders)

DOBRODEYEV, S.A., assistant

Using a method of distributing unbalanced moments in
determining the frequency of natural vibrations by an
approximation method. Trudy Ural. politekh. inst.
no.110:94-105 '61. (MIRA 14:7)
-- (Vibration)

VAKHRAMEYEV, I.I., prof.; DOBRODEYEV, S.A., dotsent; YAKOVLEV, B.T., starshiy
prepodavatel'

Method of designing reinforced concrete tower-type headframes
with carrying walls calculated for forced oscillations. Izv. vys.
ucheb. zav.; gor. zhur. 6 no.9:54-63 '63. (MIRA 17:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.
Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I., prof.; DOBRODEYEV, S.A., dotsent; PISAREVA, L.B., inzh.

Method of calculating buildings for seismic effects in blasting
operations. Izv. vys. ucheb. zav.; gor. zhur. 7 no.5:30-37 '64.
(MIRA 17:12)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.
Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I., prof.; DOBRODEYEV, S.A., dotsent; YAKOVLEV, B.T.,
starshiy prepodavatel'

Free horizontal vibrations of tower headframes with bearing
walls in the shape of a rectangle or a circle in a plane.

Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:129-133 '63.

(MIRA 16:10)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.
Rekomendovana kafedroy stroitel'noy mekhaniki.

USSR / Cultivated Plants. Potatoes. Vegetables. Melons. M-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25034

Author : Dobrodeyeva, A. D.

Inst : ~~Not given~~

Title : The Early Ripening Potato Varieties on the Kolkhoz
Fields

Orig Pub: S. kh. Povolsh'ya, 1957, No 3, 49-50

Abstract: Three potato varieties are characterized which
were developed at the Ul'yanovskaya Potato Experi-
mental Station: the Ul'yanovskiy, Volzhanin and
Seyanets 1750-4. -- G. Ch.

Card 1/1

54

33352

S/181/62/004/001/022/052
B108/B104

18.8200

AUTHORS: Vasil'yev, D. M., and Dobrodeyeva, N. M.

TITLE: X-ray study of the initial stage of plastic deformation of polycrystalline metals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 140 - 147

TEXT: The authors used an x-ray method to find out whether plastic deformation of Al, Ni, Cu, and steel with 1% Cr proceeds inside or along the crystal grains. The small specimens were deformed at room temperature on an MM-4P(IM-4R) tensile testing machine after heat treatment. The microscopic stresses can be found from the behavior of x-ray diffraction lines; with the aid of these microstresses and the macroscopic stress one can determine the structural strain acting on the grains. The microstresses in Al were determined by an investigation of the 333/511 diffraction line obtained in a K_{α} Cu emission while those in copper, nickel, and steel samples were determined from the 400(K_{α} Co), 420(K_{α} Cu) and 211(K_{α} Cr) lines. It was established for all specimens that in the case of small deformations, the stresses upon the grains are smaller than the mean macroscopic stresses.

Card 1/2

X-ray study of the initial stage...

33352
S/181/62/004/001/022/052
B108/B104

Plastic deformation is due to displacements inside the grains. The deformation of steel in the yield area is due to displacements inside the grains too. N. N. Davidenkov is thanked for a discussion. B. I. Smirnov (Sb. "Issledovaniya po zharoprochnym splavam", 4, Izd. AN SSSR, 147, 1959) is mentioned. There are 9 figures and 23 references: 17 Soviet and 6 non-Soviet. The four most recent references to English-language publications read as follows: D. McLean. J. Inst. Metals, 80, 507, 1952 and 81, 293, 1952; D. McLean, M. Farmer. J. Inst. Metals, 83, 1, 1954; W. Rachinger. J. Inst. Metals, 81, 33, 1952.

ASSOCIATION: Leningradskiy politekhnicheskii institut im. M. I. Kalinina
(Leningrad Polytechnic Institute imeni M. I. Kalinin)

SUBMITTED: July 14, 1961

Card 2/2

X

DOBRODKOTOVA, A. I.

USSR/Medicine - Albomycin, an Antibiotic Doc 51

"The Antibiotic Albomycin in the Treatment of Pneumonia and Septic Conditions of Children in Their First Year of Life," Prof A. I. Dobrodkotova

"Pel'dsher i Akusherka" No 12, p 38

Prof Dobrodkotova was ordered by Min of Pub Health USSR to report on effect on Albomycin, effective 1 Oct 51 (order dated 29 Nov 51).

Albomycin, an active antibiotic, is extracted from liquid in which microorganisms have been bred. There should not be less than 30,000 units per mg of therapeutic prepn. It is a yellow or brownish powder sol in double its vol of distilled water. Large doses are nontoxic to animals. The dry prepn remains effective for at least 1 yr after manuf. It comes in ampules contg 5,000,000 units (enough for 20 ml of soln). The aqueous soln should be kept cold and be used within 24 hr after prepn. Daily dosage is 100,000 - 200,000 units per kg of a child's wt dependent on gravity of disease. Injection is subcutaneous. It is not

painful. There is no accumulated toxic effect. At times there appears a small spotty, but temporary rash at place of injection. It can be given together with sulfanilamide, penicillin, streptomycin, syntomycin, and combined with blood transfusion, plasma or glucose administration, etc. It is to be used for young children in pneumonia and various septic conditions which do not yield to penicillin, also dysentery and its complications. There are no clinical contraindications for its use. However, streptococcal infections yield less readily to albomycin than do pneumococci, staphylococci, and gram neg infections.

199789

DOBRODOLAC, D. (Beograd)

Minerals and their characteristics. Tesla no.17/18:27-28
'56.

DOBRODOLNOV, Aleksandr Antonovich; SPLITSYNA, A., red.

[Moscow as a center of science] Moskva - tsentr nauki.
Moskva, Mosk. rabochii, 1964. 154 p. (MIRA 17:12)

COUNTRY : USSR
 CATEGORY : Soil Science. Soil Biology.
 ABG. JOUR. : RzhBiol., No. 4, 1959, No. 1959
 AUTHOR : Dobrodvorskiy; Belikov; Gordiyenko
 I.S.P. : Kiev Univ.
 TITLE : Microorganisms in the rhizosphere of Several Agricultural Cereals.
 ORIG. PUB. : Nauk. zap. Kiivs'k, un-t, 1956, 15, No.11, 121-125
 ABSTRACT : The quantitative and qualitative composition of microorganisms of the rhizosphere depends on the type of plant: in crop rotation the microflora is richer than the rhizosphere of lucerne and perennial grasses; the smallest number of microflora is found in the rhizosphere of corn and cultivated culture. The largest relative number of spore forms is observed in the rhizosphere of winter wheat and oats. The number and composition of the microflora of the rhizosphere

COUNTRY :
CATEGORY :

ABST. JOUR. : RZhBiol., No. 4, 1959, No. 15365

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : depends on the preceding cultures: in winter wheat, planted over perennial grasses, lucerne, and vetch-cot mixture, it is more profuse; there are twice as few microorganisms if winter wheat is placed over potatoes and winter-crop.

Card:

DOBROGAYEV, P. K.

CA

15

PROCESSING AND PROPERTY INDEX

The use of antiseptics under hothouse conditions. Dobrogaev and T. N. Chebotareva. *Vestnik Nauch.-Issledovatel. Inst. Udobrenii Agrotekhniki i Agropokhovovedeniya im. G. I. Tsvetkovskogo* 1939, 130-9; *Khim. Referat. Zhur.* 1940, No. 7, 47. Small doses of chlorinated water, chloropicrin and acetone derivs. increased the crops by 60-85%. At the beginning of the expts. the antiseptics increased the amt. of unusg. N in the soil; this increase disappeared toward the end of the expts. W. R. H.

The effect of chloropicrin on weeds. F. K. Lebedev and E. I. Zav'yalova. *Vestnik Nauch.-Issledovatel. Inst. Udobrenii Agrotekhniki i Agropokhovovedeniya im. G. I. Tsvetkovskogo* 1939, 188-95; *Khim. Referat. Zhur.* 1940, No. 7, 47. Chloropicrin has little effect on the seeds of the weeds; vegetating weeds growing for several years are completely destroyed. The overground parts of perennial weeds are destroyed by chloropicrin in amts. of 4 quintals ha. and the underground parts are partially destroyed to a depth of 50 cm. by chloropicrin in amts. of 10 quintals ha. Cultivated plants can be sown 5-10 days after the chloropicrin treatment. W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH UNIT AND USE

RESEARCH UNIT AND USE

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSING AND PROPERTY NOTES																			
BC B-3-1																			
Microbiology of forest soil in connection with the formation of humus. L. I. Ivanov (Forestry, 1953, No. 3, 79--84).—After clearing the forest, there was little microbiological activity owing to poor assimilation by bacteria of the soil organic matter, which contains harmful substances in the humus. L. and E. (m)																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION										EXTRACTED FROM									
FROM DIVISION										FROM DIVISION									
(GROUP NO.)										(CLASSIFY ON ONLY ONE)									
(SUBJECTS)										(CLASSIFY ON ONLY ONE)									

DOBROGAYEV, O.I.

Late sequelae of injuries to the superior gluteal artery. Vest. khir.
92 no.3:141-142 Mr '64. (MIRA 17:12)

1. Iz 3-y kafedry khirurgii (zav. - prof. V.I.Kazanskiy) TSentral'noyo
instituta usovershens'vovaniya vrachey na baze TSentral'noy kliniches-
koy bol'nitsy (nachal'nik - zasluzhennyy vrach RSFSR V.N.Zakharchenko)
Ministerstva putey soobshcheniya.

DOBROGAYEV, R. P.

VIKHEBT, Mikhail Mikhailovich; ~~DOBROGAYEV, Rostislav Pavlovich~~; LYAKHOV, Mikhail Ivanovich; PAVLOV, Aleksey Vasil'yevich; SOLOV'YEV, Mikhail Petrovich, professor; STEPANOV, Yuriy Aleksandrovich; SUVOROV, Viktor Grigor'yevich; KHANIN, N.S., kandidat tekhnicheskikh nauk, retsenzent; GHISTOZVONOV, S.B., retsenzent; NECHAYEV, B.K., doktor tekhnicheskikh nauk, retsenzent; SHUBOVICH, S.I., kandidat tekhnicheskikh nauk, retsenzent; YEGORKINA, L.I., inzhener, redaktor; SOKOLOVA, T.P., tekhnicheskij redaktor

[Construction and design of truck and tractor engines] Konstruktsiya i raschet avtotraktornykh dvigatelei. Pod red. I.U.A. Stepanova. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 604 p. (MIRA 10:10)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotorny institut (for Khanin, Chistozvonov). 2. Kafedra dvigateley vnytrennego sgoraniya Tomskogo politekhnicheskogo instituta (for Nechayev, Shubovich)

(Motortrucks--Engines)

(Tractors--Engines)

DOBROGAYEVA, A. F. (Cand. Med. Sci.)

"Degeneration in the Eyeground in Children Afflicted with Tubercular
Meningitis and Treated with Streptomycin," Vest. Oftalmol., Vol. 28, No.
3, 1949.

Khar'kov Med. Inst. Clinic Faculty Pediatrics, Ophthalmopathic Clinic.

DOBROGAYEVA, A. F., Doc Med Sci -- (diss) "^{an}Tuberculous meningitis in children." Khar'kov, 1957. 31 pp (Min of Health Ukr SSR, Khar'kov Med Inst), 300 copies. ~~(KL, 2-58, 115)~~ List of author's works pp 30-31 ^(12 titles) (KL, 2-58, 115)

DOBROGAYEVA, A.F., dots.

Virus influenza in children. Med.sestra 17 no.3:40-42 Mr '58.
(MIRA 11:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta
sanitarnogo prosveshcheniya Ministerstva zdravookhrameniya SSSR.
(INFLUENZA)

DOEROGAYEVA, A.F. [Dobrohaieva, A.F.]; POL'SKAYA, N.S. [Pol's'ka, N.S.]

Characteristics of the course of pneumonia in the newborn
during an epidemic influenza outbreak (1958-1959). Ped.,
akush. i gin. 22 no.5:3-7 '60. (MIRA 15:6)

1. Kafedra propedevtiki dityachikh khvorob (zav. - doktor
med.nauk A.F. Doroogayeva) Kharkivs'kogo medichnogo institutu
(direktor - dotsent B.A. Zadorozhniy) na bazi 7-go dityachogo
modob'yednannya (sposobniy likar - G.A. Korobchans'ka).
(INFLUENZA) (PNEUMONIA)

DOBROGAYEVA, A.F.; LYUBOSHITS, E.S.

Use of neuroplegics in compound treatment in toxic pneumonia in infants. Zdrav.Bel. 7 no.8:53-56 Ag '61. (MIRA 15:2)

1. Kafedra propedevtiki detskikh bolezney i fakul'tetskoy pediatrii (zaveduyushchiy kafedroy - doktor med. nauk A.F.Dobrogayeva) Khar'kovskogo meditsinskogo instituta (direktor - dotsent B.A. Zadorozhnyy) i 7-ya detskaya klinicheskaya bol'nitsa gor. Khar'kova (glavnyy vrach - R.A.Korobchanskaya).
(AUTONOMIC DRUGS) (PNEUMONIA) (CHILDREN_DISEASES)

DOBROGAYEVA, A.F.; NIKITENKO, L.A.

Unusual case of epiphysial punctate dysostosis (atypical
chondrodystrophy) in a 7-year-old child. Pediatriia 42
no.6:77-78 Je'63 (MIRA 17:1)

1. Iz kafedry propedevtiki pediatrii (zav. - doktor med.
nauk A.F. Dobrogayeva) Khar'kovskogo meditsinskogo insti-
tuta (dir. - dotsent B.A. Zadorozhnyy) na baze 7-go detskogo
ob"yedineniya (glavnyy vrach R.A. Korobchanskaya).

DOBROGAYEVA, G. F.

EXCERPTA MEDICA Sec 7 Vol 13/1 Pediatrics Jan 59

239. THE PROBLEM OF RELAPSES OF TUBERCULOUS MENINGITIS IN CHILDREN (Russian text) - Dobrogaeva G. F. - PEDIAT. AKUSH. I GINEK. 1957, 2 (5-10)

578 children were treated for tuberculous meningitis in the period 1948-1954. In 53 cases (9.1%) a late relapse and in 26.2% of cases an early relapse (soon after the patient had been discharged with normal CSF) have been observed. In those cases in which treatment was started late in the original attack the relapses were more common and of greater severity and longer duration (up to several weeks or months). Exacerbations were due to too early discharge and departures from the prescribed regimen after discharge. Acute infections, especially virus infections, played a major contributory role. Serious second relapses took place in 89 cases. Protein-cell dissociation occurred in 28 cases. All relapses were more common in younger children. The course of the disease did not always depend on the dynamics of pathological changes of the internal organs. Cure (normal CSF) was achieved within 3 months in 18 cases, in 3-6 months in 15 cases, in 6-10 months in 11 cases and in over 10 months in 9 cases. Tiredness, lassitude, frontal headaches, vomiting and rigors were the early symptoms of a relapse. In 14 cases secondary relapses were observed one or several months after the original attack and lasted 8-10 months. In such cases the prognosis is unfavourable. (S)

1. Kafedra fakul'tetsko-gospital'noy pediatrii (zav. - prof. V.O. Belusov) Khar'kovskogo meditsinskogo instituta (dir. - dots. I.P. Kononenko) na baze detskogo otdeleniya oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - M.G. Madiyevskiy).

DOBROGAYEVA, G.F. [Dobrohaieva, H.F.]

Method of the treatment of tuberculous meningitis in young
children. Ped. Akush. i gin. 24 no.6:3-6 '62.

(MIRA 17:4)

1. Kafedra propedevtiki i fakul'tetskoy pediatrii (zaveduyushchiy-
doktor med. nauk G.F. Dobrogayeva [Dobrohaieva, H.F.]) Khar'kovskogo
meditsinskogo instituta (rektor- dotsent B.A. Zadorozhnyy
[Zadorozhnyi, B.A.]).

DOBROGAYEVA, I. V.

"Reactions of the Organism to the Effect of Vasoconstrictive and
Vasodilative Substances in Experimental Neurogenic Hypertension."
Cand Med Sci, Khar'kov Medical Inst, Khar'kov, 1953. (RZhBiol,
No 1, Sep 54)

SO: Sum 432, 29 Mar 55

DOBROGORSKIY, F. M.

35388 Puti Razvitiya Ovtsevodstva I Povysheniya Produktivnosti Ovets. V Sb:
Michurinskuyu. Nauku-V Praktiku Zhivotnovodstva. Novosibirsk, 1949, S. 83-96

SO: Letopis' Zhurnal'nykh Statey Vol. 34, Moskva, 1949

DOBROGORSKIY, F.M.

Method and results of developing a new medium fine-wooled sheep
breed for the Altai Mountains. Trudy Mong. kom. no.66:99-110
'54. (MIRA 8:6)

(Altai Mountains--Sheep breeding)

Card 2/2

DOB ROGORSKIY F.M.

USSR / Farm Animals. Small Horned Stook.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105666.

Author : Dobrogorskiy, F. M.

Inst : Not given.

Title : The Gorno-Altayskaya Breed Group of Sheep.

Orig Pub: Ovtsevodstvo, 1958, No 4, 9-12.

Abstract: Merino X Coarse-wool hybrids were crossed with rams of the Tsigay breed to obtain the 1st and 2nd generation, and thereafter reproductive crossing of three-breed hybrids was resorted to. A new Gorno-Altayskaya breed group of sheep was obtained. These sheep are distinguished by uniform wool of staple structure. The fineness of wool is of 60 grade, yield of

KACHLICKI, Wzislaw; DOBROGOWSKI, Andrzej

A transistorized square-wave generator. Elektryka Poznan no.5:
45-66 '64.

DOBROGUBSKIY, S.O., professor; SOKOLOV, F.A., dotsent; ZAKHAROVA, Ye.I., dotsent; MARTENS, S.L., redaktor; MODEL', B.I., tekhnicheskiiy redaktor.

[Mechanisms; a handbook] Mekhanizmy; spravochnoe rukovodstvo.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1947.
305 p. (MLRA 8:1)
(Mechanical engineering)

DOBROGURSKIY, S. O.

Schetno-reshaushchie mekhanizmy. Dop. v kachestve uchebnika dlia vysshikh tekhn. uchebn. zavedenii. Moskva, Oborongiz, 1950, 250 p. diagrs.

(Computers and registers.)

DLC: QA75.D6

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953

YUDIN, V.A., prof., doktor tekhn. nauk; DOBROCHUBSKIY, S.O., prof.,
retsenzent; IL'IN, V.B., inzh., red.; CHERNYAGIN, B.M., inzh.,
red.; TIKHONOV, A.Ya., tekhn. red.

[Mechanisms of instruments] Mekhanizmy priborov; spravochnik.
Moskva, Mashgiz, 1952. 487 p. (MIRA 16:8)
(Mechanisms) (Instruments)

DOBROGURSKIY, S.O., professor; SAVITSKAYA, V.V., redaktor; CHISTYAKOVA, A.V.
tekhnicheskiiy redaktor

[Control instruments for antiaircraft firing] Pribory upravleniia
strel'boy po zenitnym tseliam. Moskva, Gos. izd-vo obor. promyshl.,
1953. 70 p. (MLRA 7:8)
(Antiaircraft guns)

DOBROGURSKI, S. O.

Dobrogurskii, S. O. i Titov, V. K. Sčeto-rešayušchie ustroistva. [Computing devices.] Gosudarstv. Izdat. Oboronnoi Promyslennosti, Moscow, 1953. 224 pp. 6.50 rubles.

Some mechanical, electromechanical and electronic analog-computer elements are described. Included are most of the well-known standard forms: integrators, multipliers, resolvers, adders, etc. Assembly drawings of some of the elements are shown. On occasion the author dwells on such structural details as mechanical fasteners (bolts, taper pins, keys, couplings), stop mechanisms, anti-backlash and wear-compensating devices.

Sources of error in various computer elements are pointed out. In a few cases detailed error analyses are made. Typical are the discussion of statistical variation in hole and shaft diameters in manufacturing a third-class fit, derivation of formulas for mean-square deviation, and analysis of potentiometer errors.

W. W. Soroka (Berkeley, Calif.).

①

llm

DOBROGURSKIY, S 0

N/5
611.6
.D61

DOBROGURSKIY, S 0 ,ED.

Schetno-reschayushchiye pribory (Computing-accounting apparatus) Moskva, Oborongiz, 1955.

101 p. ILLUS., DIAGRS., TABLES (SBORNIK STATEY, NO. 49)

A¹ head of title: Moscow. Vyssheye Tekhnicheskoye Uchilishche.

Higher Technical School

SOV/112-57-6-12815

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 6, p 163 (USSR)

AUTHOR: Dobrogurskiy, S. O., *Dr. Tech. Sci. Prof.*

TITLE: A Brief History of the Activities of the Chair of Computers
(Kratkaya istoriya raboty kafedry schetno-reshayushchikh priborov)

PERIODICAL: V sb.: Schetno-reshayushchiye pribory, M. Oborongiz, 1955, pp 3-5

ABSTRACT: A note by S. O. Dobrogurskiy is a preface to the collection devoted to the 125th anniversary of MVTU. Information is presented on development of the Chair of Computers from the time of its organization in 1936.

L.I.T.

Card 1/1

GEVONDYAN, Tigran Arutyunovich; DOBROGURSKIY, S.O., doktor tekhnicheskikh nauk, professor, retsenezent; KOKHIN, A.A., redaktor; BELITSKAYA, A.M., izdatel'skiy redaktor; GLADIKH, N.N., tekhnicheskiy redaktor

[Spring mechanisms; theory, design, methods of operating and testing] Pruzhinnye dvigateli; teoriya, raschet, metody kontrolya i ispytaniy. Moskva, Gos. izd-vo obor. promyshl., 1956. 366 p.
(Springs (Mechanism)) (MLRA 8:9)

DOBROGURSkiy, S.O.

KUZOVKOV, Nikolay Timofeyevich; DOBROGURSKIY, S.O., doktor tekhn.nauk,
prof., retsentsent; DULIN, V.N., kand.tekhn.nauk, red.; PETROVA,
I.A., izdatel'skiy red.; ROZHIN, V.P., tekhn.red.

[The theory of automatic control based on frequency methods]
Teoriia avtomaticheskogo regulirovaniia, osnovannaiia na chastot-
nykh metodakh. Moskva, Gos.izd-vo obor.promyshl., 1957. 245 p.

-----[Forms and nomograms] Shablony i nomogrammy. 1957. 25

graphs.

(MIRA 11:2)

(Automatic control)

DOBROGURSKIY, S.O.

RYAZANKIN, Vladimir Nikolayevich; YEVSTIGNYEV, German Pavlovich;
TRESBYATSKIY, Nikolay Nikolayevich [deceased]; ~~DOBROGURSKIY,~~
~~S.O.~~ professor, doktor tekhnicheskikh nauk, redaktor; DOSTUPOV,
B.G., kandidat tekhnicheskikh nauk, retsenzent; DOBROSmyslov, V.I.
inzhener, retsenzent; POLYAKOV, G.F., redaktor izdatel'stva;
SOKOLOVA, T.F., tekhnicheskiiy redaktor

[Calculating machines] Vychislitel'nye mashiny. Pod red. S.O.
Dobrogurskogo. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, Pt. 1. [Calculating machines with keys] Vychislitel'nye
klavishnye mashiny. 1957. 251 p. (MLRA 10:5)
(Calculating machines)

KORITYSSKIY, Yakov Il'ich; ZAKHAROV, Grigoriy Nikolayevich; POLYAKOVSKIY, Lev Yudel'yevich; MAKAROV, Vitaliy Konstantinovich; ZONOV, Boris Tikhonovich; DOBROGURSII, S.O., doktor tekhn.nauk, prof., zasluzhennyy deyatel' nauki i tekhniki, red.; UVAROVA, A.F., tekhn. red.

[Devices and equipment for research on textile machinery] Pribory i ustanovki dlia issledovaniia tekstil'nykh mashin. Moskva, Gos. nauchn.-tekhn. izd-vo mashinostroit. lit-ry, 1958. 278 p. (Pribory i ustanovki dlia issledovaniia tekstil'nykh mashin, vol.4)
(MIRA 12:7)

(Textile machinery--Testing) (Testing machines)

LEBEDEV, Andrey Nikolayevich; DOBROGURSkiY, S.O., prof., doktor tekhn.nauk,
retsensent; DOSTUPOV, B.G., doktor tekhn.nauk, red.; MONASTYRSKAYA,
A.M., red.izd-va, KL'KIND, V.D., tekhn.red.

[Calculating machines] Schetno-reshaiushchie ustroistva. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 387 p.
(Calculating machines) (MIRA 12:1)

SOKOLOV, Fedor Aleksandrovich, kand.tekhn. nauk,; USOV, Pavel Vasil'yevich,
kand. tekhn. nauk,; DOBROVRSKIY, S.O., doktor tekhn. nauk, prof.,
nauchnyy red.; KONTSEVAYA, E.M.,red.; RAKOV, S.I.,tekhn. red.

[Engineering mechanics] Tekhnicheskaya mekhanika. Moskva, Vses.
uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 422 p. (MIRA 11:12)
(Mechanics, Applied)

BLYUMBERG, TS.M., kand.tekhn.nauk; MAKAROV, A.I., prof., doktor tekhn.
nauk, retsenzent; DOBROGURSKIY, S.O., prof., doktor tekhn.nauk,
red.; SOKOLOVA, V.V., red.izd-va; SMIRNOVA, G.V., tekhn.red.

[Spinning pumps; design, manufacture, and testing] Priadil'nye
nasosy; raschet, konstruirovaniye, metody ispytaniya. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 90 p.
(MIRA 12:8)

(Textile machinery)

DOBROGURSKIY, S O.

ALEKPEROV, V.P., inzh.; ATOVMYAN, I.O., inzh.; ZUYEV, V.I., inzh.; KAVUN, Ye.S., kand.tekhn.nauk; KOGAN, B.Ya., kand.tekhn.nauk; KOPAY-GORA, P.N., kand.tekhn.nauk; KULAKOV, A.A., inzh.; LEBEDEV, A.N., kand.tekhn.nauk; PAPERNOV, A.A., doktor tekhn.nauk; PEL'POR, D.S., doktor tekhn.nauk; PLOTNIKOV, V.N., kand.tekhn.nauk; RUZSKIY, Yu.Ye., kand.tekhn.nauk; SOLODOVNIKOV, V.V., doktor tekhn.nauk; TOPCHYEYEV, Yu.I., kand.tekhn.nauk; ULANOV, G.M., kand.tekhn.nauk; SHRAMKO, L.S., kand.tekhn.nauk; DOBROGURSKIY, S.O., doktor tekhn.nauk, retsenzent; KAZAKOV, V.A., kand.tekhn.nauk, retsenzent; PETROV, V.V., kand.tekhn.nauk, retsenzent; KHAVKIN, G.A., inzh., retsenzent; SOLODOVNIKOV, V.V., prof., doktor tekhn.nauk, red.; VITENBERG, I.M., kand.tekhn.nauk, nauchnyy red.; MOLDAVER, A.I., kand.tekhn.nauk, nauchnyy red.; KHETAGUROV, Ya.A., kand.tekhn.nauk, nauchnyy red.; POLYAKOV, G.F., red.izd-va; KONOVALOV, G.M., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Fundamentals of automatic control] Osnovy avtomaticheskogo regulirovaniya. Vol.2. [Elements of automatic control systems] Elementy sistem avtomaticheskogo regulirovaniya. Pt 2. [Compensating elements and computer components] Korrektiruyushchie elementy i elementy vychislitel'nykh mashin. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry. 1959. 453 p. (MIRA 12:4)
(Automatic control) (Electronic apparatus and appliances)
(Electronic calculating machines)

PRESNUKHIN, Leonid Nikolayevich, prof., doktor tekhn.nauk; SEREBROVSKIY, Lev Aleksandrovich; YUDIN, David Berkovich; DOBROGORSKIY, S.O., prof., doktor tekhn.nauk, red.; BOGOMOLOVA, M.F., isd.red.; ORESHKINA, V.I., tekhn.red.

[Fundamentals of the theory and design of control devices] Osnovy teorii i proektirovaniia priborov upravleniia. Pod obshchei red. L.N.Presnukhina. Moskva, Gos.maushno-tekhn.isd-vo Oborongiz, 1960. 263 p. (MIRA 13:6)

(Automatic control--Equipment and supplies)
(Electronics in military engineering)

16(1);28(2)

PHASE I BOOK EXPLOITATION

SOV/2349

Dobrogurskiy, Sergey Osipovich, Vyacheslav Antipovich Kazakov, and
Viktor Konstantinovich Tutov

Schetno-reshayushchiye ustroystva (Computers) Moscow, Oborongiz,
1959. 463 p. Errata slip inserted. 20,000 copies printed.

Reviewer: N.I. Pchel'nikov, Doctor of Technical Sciences, Pro-
fessor; Scientific Ed.: L.N. Presnukhin, Doctor of Technical
Sciences, Professor; Ed. of Publishing House: M.F. Bogomolova;
Tech. Ed.: V.P. Rozhin; Managing Ed.: A.I. Sokolov, Engineer.

PURPOSE: This book is approved by the Ministry of Higher Education,
USSR, as a textbook for students in vtuzes.

COVERAGE: The book is divided into three parts. In the first
part, written by Professor S.O. Dobrozurskiy, various mechanical
calculator mechanisms such as friction and gear differential
mechanisms are discussed in detail. Here the author stresses the
structural peculiarities of the various mechanisms and the

Card 1/13

Computers

SOV/2349

operations they perform. The author also discusses various characteristic components and the problems concerning them which are often encountered in the construction of calculators. Problems of accuracy in operation, the most important requirement any calculator has to meet, are accorded a significant place in the book. In the second part of the book, written by Docent V.A. Kazakov, a study is made of electric and electromechanical devices, i.e., potentiometers, rotary transformers, and various differentiating and integrating devices. The third part, written by V.K. Tutov, covers elements of servosystems, their fundamental static and dynamic characteristics, and the functions that they can perform. Among the types of servosystem elements studied are devices which determine the difference between two values, devices which handle the input signal, and devices which amplify the error signal. Among the error-measuring devices, a study is made of selsyns, while amplifiers are represented by electronic, thyatron, and magnetic amplifiers and amplidynes. Direct and alternating current motors which handle the input signal are considered last. No personalities are mentioned. References are given at the end of each of the three parts of the book.

Card 2/13

Computers

SOV/2349

TABLE OF CONTENTS:

Preface	3
Introduction	5

PART I. CALCULATOR MECHANISMS

Ch. I. General Information	7
1. Mechanisms	7
2. Scales	10
Ch. II. Accuracy of Mechanisms and Calculation of Errors	12
3. Forms of errors and the accuracy of the result	12
4. The summation of errors on a driven link	20
5. Experimental determination of systematic errors	23
Ch. III. Components and Auxiliary Mechanisms of Calculators	26
6. Detachable joints of calculator parts	26

Card 3/13

Computers

SOV/2349

7. Axles and shafts	27
8. Couplings	28
9. Bearings	30
10. Forward motion guides	31
11. Locking devices	32
12. Gauges	35
13. Mechanisms with matching indicators	36
Ch. IV. Transmission of Motion in Mechanisms	37
14. Transmission of rotary motion	37
Friction transmission	37
Toothed transmissions	39
Ch. V. Mechanisms Performing Mathematical Operations	51
15. Summing mechanisms	52
Differential mechanisms	52
Crank summing mechanisms	55
Other designs of summing mechanisms	58
16. Multiplication mechanisms	61

Card 4/13

Computers

SOV/2349

	Multiplication by constant factors	61
	Sliding-crank multiplication mechanisms with constant scale	61
	Multiplication mechanisms with variable scale	66
	Mechanisms for multiplication by means of raising to a square	67
17.	Trigonometric mechanisms	71
18.	Graphs	82
19.	Cam mechanisms	84
	Disc cams	84
	Conoids	95
	Mechanisms with lower pairs for the approximate reproduction of complicated functions of one variable	108
20.	Mechanisms for the differentiation and integration	114
	Friction mechanisms with variable reduction ratio	114
	Automatic friction mechanism	123
	Graphic tachometer	128
	Mean velocity tachometer	130

Card 5/13

Computers

SOV/2349

Bibliography

131

PART II. ELECTRIC AND ELECTROMECHANICAL CALCULATORS

Introduction

132

Ch. I. General Properties of Electric Calculators

133

1. Electromechanical calculator networks

133

2. Operational amplifiers

138

3. Methods of adding electrical values

146

Ch. II. Potentiometers

152

4. Errors of potentiometers caused by the load

153

5. Design of housings for functional potentiometers

163

6. Design of housings whose heights tend to zero or infinity

169

7. Potentiometer with wave-shaped housing

172

8. Design of resistances in potentiometers and rheostats for
multicascade circuits

175

Circuits for the multiplication of monomials

175

Card 6/13

Computers

SOV/2349

	Circuit for multiplication by a binomial	179
	Division circuit	180
9.	Shunted potentiometers	184
10.	Shunted potentiometers which generate functions of two independent variables	188
11.	Bridge circuits (direct current)	191
	Sensitivity of a bridge circuit	192
	Rheostat bridge circuits	194
	Potentiometric bridge circuits	199
	Bridge function generators with linear resistors	203
12.	Constructions of potentiometers	209
Ch. III.	Rotatable Transformers	217
13.	Sine-cosine rotatable transformers	217
14.	Constructive rotatable transformers	228
15.	Linear rotatable transformers	234
16.	Constructions of rotatable transformers	246
17.	Compensator of rotatable transformer errors	251
18.	Construction of calculator circuits on a rotatable transformer	253

Card 7/13

Computers	SOV/2349
Ch. IV. Differentiating Devices	262
19. Magnetoelectric tachometer	263
20. Tachogenerator	264
21. Asynchronous tachometer	269
22. Differentiating circuit of RC type	276
Ch. V. Integrating Devices	279
23. An electric motor as an integrator	280
24. Integrating drive	281
25. Integrating circuit of RC type	289
26. Electronic integrator	290
Bibliography	290
PART III. ELEMENTS OF SERVOSYSTEMS	
Ch. I. Selsyns	294
1. Construction of selsyns	294
2. Operational principle of selsyns	296
Card 8/13	

Computers

SOV/2349

3. Operational principle and construction of magslips 300
4. System of equations which describe the physical processes in the selsyns operating in the indicator system 301
5. Longitudinal and lateral components of the secondary current of a sensor and receiver operating in an indicator mode 305
6. Phase currents in an indicator synchronized transfer 308
7. Synchronizing moment 309
8. Specific statistical synchronizing moment 312
9. Operating the selsyn sensor on several parallelly connected receivers 314
10. Classes of accuracy of the indicator selsyns 315
11. The exact and rough reading in the indicator synchronized transfer 318
12. Operation of the selsyns in the transformer system 321
13. Velocity effect on the exactness of measurement of the displacement angle 324
14. Increasing the accuracy of measuring the displacement angle 327
15. Elimination of the false zero from a dual-speed system 330

Card 9/13

Computers

SOV/2349

16. Synchronizer circuits 332

Ch. II. Amplifiers

A. Electronic and Thyatron Control Amplifiers 337

17. Modulators 337

18. Phase discriminators 347

19. Electronic power and phase-inverter amplifiers 354

20. Thyatron amplifiers 360

B. Magnetic Amplifiers 363

21. Operating principle of a magnetic amplifier 364

22. Characteristics of a magnetic amplifier 367

23. Application of positive feedback in a magnetic amplifier 373

24. Graphical method for the determination of the load characteristics of a feedback magnetic amplifier 379

25. Designation of shift coils 382

26. Application of push-pull magnetic amplifiers 383

27. The transfer function of a magnetic amplifier 389

28. The time constant of a magnetic amplifier 391

Card 10/13

Computers

SOV/2349

C. Amplidynes	394
29. The operational principle and construction of an amplidyne	395
30. Statistical characteristics of an amplidyne	397
31. Amplification coefficient of an amplidyne	401
32. Dynamic characteristics of an amplidyne	401
33. Transfer function of an amplidyne operating in connection with the control motor	407
Ch. III. Control Motors	408
A. Direct Current Motors	408
34. Methods of adjusting the speed of a direct current motor with independent excitation	408
35. Static characteristics of a direct current motor during the adjustment of rate of change of armature voltage	410
36. Static characteristics of a direct current motor during the adjustment of rate of change of excitation current	412

Card 11/13

Computers

SOV/2349

- 37. Dynamic characteristics of a direct current motor during the adjustment of rate of change of armature voltage 415
- 38. Transfer function of a direct current motor during the adjustment of rate of change of excitation current 418
- 39. Dynamic characteristics of a direct current motor during the adjustment of rate of change of excitation current 419
- 40. Transfer function of a direct current motor during the adjustment of rate of change of excitation current 420
- 41. The effect of armature inductance on the dynamic characteristics of the motor 421
- 42. The amplitude-phase characteristic of a direct current motor with independent excitation 426
- B. Two-phase Asynchronous Motors 426
 - 43. Operational principle and construction of a two-phase asynchronous motor 426
 - 44. System of equations describing the physical processes

Card 12/13

Computers

SOV/2349

- in a two-phase asynchronous motor 428
45. Rotational moment of an asynchronous two-phase motor 431
46. Static characteristics of an asynchronous two-phase motor and their use for the determination of important parameters of the motor: K_{mot} , K_m , f_{mot} , and T 435
47. Transfer function of an asynchronous two-phase motor 441
48. Amplitude-frequency and phase-frequency characteristics of an asynchronous two-phase motor 448
49. The passage of an alternating current signal modulated with respect to amplitude through an element having the transfer function $G(p)$ 451
50. The transfer function of a disconnected system with two-phase motor for all $G(p)$ 454
51. Selecting the capacity of the motor 455

Bibliography

458

AVAILABLE: Library of Congress

Card 13/13

LK/jb
11-19-59

KUZOVKOV, Nikolay Timofeyevich; DOBROGURSIIY, S.O., prof., doktor
tekhn.nauk, retsenzent; GENEROZOV, M.N., inzh., red.;
BELEVTSSEYA, A.G., izdat.red.; PUKHLIKOVA, N.A., tekhn.red.

[Theory of automatic control based on frequency methods]
Teoriia avtomaticheskogo regulirovaniia, osnovannaiia na
chastotnykh metodakh. Izd.2., dop. i perer. Moskva, Gos.
nauchno-tekhn.izd-vo Oborongiz, 1960. 445 p.

(MIRA 14:3)

(Automatic control)

MALYSHEV, Aleksandr Petrovich, prof., doktor tekhn.nauk; VOROB'YEV, Pavel Aleksandrovich, kand. tekhn.nauk; DOBROGURESKIY, S.O., prof., doktor tekhn.nauk, retsenzent; MITROPOL'SKIY, B.I., dots., kand.tekhn.nauk, retsenzent; DITSKIY, A.V., kand.tekhn.nauk, red.; ML'KIND, V.D., tekhn.red.; CHERNOVA, Z.I., tekhn.red.

[Mechanics and design calculations of looms] Mekhanika i konstruktivnye raschety tkatskikh stankov. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 552 p.

(MIRA 14:5)

(Looms)

ANISIMOV, B.V.; CHETVERIKOV, V.N.; KORBINSKIY, N.Ye., doktor tekhn.
nauk, prof., retsenzent; TAKHVANOV, G.I., kand. tekhn. nauk,
retsenzent; DOBROGURSKIY, S.O., doktor tekhn. nauk, red.;
YELISEYEV, M.S.; red. izd-va; EL'KIND, V.D., tekhn. red.

[Fundamentals of the theory and design of digital computers]
Osnovy teorii i proektirovaniia tsifrovyykh vychislitel'nykh
mashin. Moskva, Mashgiz, 1962. 431 p. (MIRA 15:10)
(Electronoc digital computers)

GEVONDYAN, Tigran Arutyunovich; KISELEV, Lev Timofeyevich; RYABOV, B.A.,
doktor tekhn. nauk, prof., retsenzent; ZAKAZNOV, N.P., kand.
tekhn. nauk, retsenzent; DOBROGURSKIY, S.O., doktor tekhn.
nauk, prof., zasl. deyatel' nauki i tekhniki, red.;
YELISEYEV, M.S., red. izd-va; MODEL', B.I., tekhn. red.

[Devices for measuring and recording vibrations] Pribory dlia
izmereniia i registratsii kolebani. Moskva, Mashgiz, 1962.
467 p. (MIRA 15:4)

(Vibration--Measurement)

KORITYSSKIY, Ya.I.; DOBROGURSKIY, S.O., doktor tekhn. nauk,
prof., retsenzent; PEREVERZEV, V.V., inzh., red.;
TAIROVA, A.L., red. izd-va; UVAROVA, A.F., tekhn. red.

[Studying the dynamics and design of high-speed spindles
for textile machines] Issledovaniia dinamiki i konstruk-
tsii vysokoproizvoditel'nykh vereten tekstil'nykh mashin.
Moskva, Mashgiz, 1963. 642 p. (MIRA 17:1)
(Spinning machinery)

DOBROGURSKIY, S.O., doktor tekhn. nauk, prof., red.

[Calculating and computing devices] Schetno-reshaiushchie
pribory; sbornik statei. Pod red. S.O.Dobrogurskogo. Mo-
skva, Mashinostroenie, 1964. 109 p. (MIRA 17:8)

1. Moscow. Moskovskoe vyssheye tekhnicheskoye uchilishche.

DOBROKHLEB, I.F., kand. sel'khoz. nauk; ZAGORSKIY, G., red.; SHLYK, M.,
tekhn. red.

[Forage lupine] Kormovoi liupin. Moskva, Mosk. rabochii, 1961.
17 p. (MIRA 14:7)

(Lupine)

DOBROKHLEB, I.F., kand. sel'skokhoz. nauk; TYMCHENKO, L.F., starshiy
nauchnyy sotrudnik

Effect of disinfectants on the development of root nodules
and the yield of forage lupine. Zashch. rast. ot vred. i
bol. 7 no.10:28 0 '62. (MIRA 16:6)

(Lupine) (Seeds—Disinfection)